

To: Werner, Lora[Werner.Lora@epa.gov]
Cc: Robert Helverson (helverson.robert@epa.gov)[helverson.robert@epa.gov]
From: Ham, Greg
Sent: Thur 6/18/2015 7:35:49 PM
Subject: RE: More Miller SDS

Rich is right, there is a quarry nearby by, and they did report seeing discolored water in the water they were pumping. They discharge that water back into the stream, so it ended up continuing on down Conewago Creek.

We don't really expect to find problems in homewells, but are checking them just to be sure. We sampled the 4 nearest the site out of 18 people who called and live along the Creek.

From: Werner, Lora
Sent: Thursday, June 18, 2015 3:16 PM
To: Ham, Greg
Cc: Helverson, Robert
Subject: FW: More Miller SDS

Fyi from ATSDR ERS Rich Nickle after he checked out all the safety data sheets (health dept shared them from PADEP). L

From: Nickle, Richard (ATSDR/DTHHS/OD) [<mailto:ran2@cdc.gov>]
Sent: Thursday, June 18, 2015 2:46 PM
To: Werner, Lora
Cc: Holler, James S. (Jim) (ATSDR/DTHHS/OD); Helverson, Robert; Risher, John (ATSDR/DTHHS/OD); Murray, Ed (ATSDR/DTHHS/OD); Williams-Fleetwood, Sharon O. (ATSDR/DCHI/EB)
Subject: FW: More Miller SDS

Couple of things. First you have my EPA email in your contacts list, which still gets to me, but I can't do a reply all or whatever. Slows down the comms a bit when I have to re-enter all the addressee – especially if I have to go find them. Please change it to the CDC email. Second, I will put this into EHPM right after I get done with this.

Third, I've been through most of these SDS (formerly known as MSDS). These SDS are the usual assortment of high and lows as far as quality goes. There is one SDS that says the proprietary solution has no hazardous ingredients, but when you pull up the one CAS number they list in Section 8, it is 1,4-Dioxane. One thing that is nice about the new SDS is that it lists the pH of the substance when in solution. Most of these compounds when dissolved in water produce solutions with pHs either in the 9-11 range or in the 2-4 range; some of the mixtures can produce solutions across that whole band of pH. If these products hit the water in slugs with first one slug in the acidic range followed by another in a couple of hundred feet in the basic range, I would think that could account for the fish kill. If not, the PHL and PVL compounds are amino acids that would likely prompt a feeding frenzy amongst the fish; that would drive up the BOD and deplete the oxygen in the water.

In the email string, there was an address for the one sample with the PCE. That plots out to be a private home about 2.5 miles west of the plant. In those 2.5 miles between the plant and the home is what appears to be a quarry in GoogleEarth. If that is accurate, it is real unlikely that any contaminant in the surface aquifer at the plant is going to impact that home; the quarry would act as an interception trench.

From: Nickle, Richard [<mailto:Nickle.Richard@epa.gov>]
Sent: Thursday, June 18, 2015 12:38 PM
To: Nickle, Richard (ATSDR/DTHHS/OD)
Subject: FW: More Miller SDS

From: Werner, Lora
Sent: Thursday, June 18, 2015 12:37:14 PM (UTC-05:00) Eastern Time (US & Canada)
To: Nickle, Richard
Cc: Helverson, Robert
Subject: FW: More Miller SDS

Chemicals at the plant from the state. I combined both emails they refer to.

Lora Siegmann Werner, MPH

Regional Director, Region 3

Division of Community Health Investigations

Agency for Toxic Substances & Disease Registry (ATSDR)/Centers for Disease Control & Prevention

c/o EPA Region 3

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Cell phone: 215-588-9778

Fax: 215-814-3003

Emails (only need to use one): lkw9@cdc.gov and werner.lora@epa.gov

From: Ahmed, Farhad [<mailto:fahmed@pa.gov>]

Sent: Thursday, June 18, 2015 12:31 PM

To: Werner, Lora; Werner, Lora S. (ATSDR/DCHI/EB)

Subject: FW: More Miller SDS

From: Landis, Victor

Sent: Thursday, June 18, 2015 10:37 AM

To: Ahmed, Farhad

Subject: FW: More Miller SDS

Victor H. Landis | Environmental Group Manager
Department of Environmental Protection
Southcentral Regional Office
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www.depweb.state.pa.us

From: Landis, Victor
Sent: Wednesday, June 17, 2015 9:10 AM
To: Ahmed, Farhad
Subject: FW: More Miller SDS

The remaining sheets.

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From: Moore, Brian
Sent: Wednesday, June 17, 2015 8:13 AM
To: Landis, Victor
Subject: FW: More Miller SDS